

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 50]

नई दिल्ली, शनिवार, दिसम्बर 14, 1974 (अग्रहायण 23, 1896)

No. 50]

NEW DELHI, SATURDAY, DECEMBER 14, 1974 (AGRAHAYANA 23, 1896)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 14th December 1974

### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

7th November 1974.

- 2444/Cal/74. Tiger Products Private Limited. Improvements in or relating to a locking device.
- 2445/Cal/74. Cousino Corporation. Storage cell assembly.
- 2446/Cal/74. Champion Spark Plug Company. Spark plug.
- 2447/Cal/74. Girling Limited. Improvements in friction devices. (November 12, 1973) U.K.
- 2448/Cal/74. Holset Engineering Company Limited. Fluid coupling. (November 15, 1973) U.K.
- 2449/Cal/74. General Refractories Company. Method for cold molding pitch bonded refractory.
- 2450/Cal/74. Messerschmitt-Bolkow-Blohm Gesellschaft mit beschränkter Haftung. Liquid-cooled rocket combustion chamber with thrust nozzle.
- 2451/Cal/74. McNeil Laboratories, Incorporated. 4-Oxo-2-imidazolidinylidene ureas.
- 2452/Cal/74. Ethicon, Inc. Swaging of suture to surgical needle.
- 2453/Cal/74. Hooker Chemicals & Plastics Corp. A novel electrolytic cell.
- 2454/Cal/74. Archifar Industrie Chimiche del Trentino S.p.A. A method for preparing hydroxylated antibiotics.

2455/Cal/74. Bidyut Baran Paul. Improvements in or relating to indicating devices such as for roads or railways.

2456/Cal/74. Tiszai Vegyi Kombinat. Compounded plastic systems and a process for the preparation thereof.

2457/Cal/74. Nestle's Products Limited. Preparation of tea extracts.

2458/Cal/74. Nestle's Products Limited. Product and process for producing food extrudate.

2459/Cal/74. Banamali Sen. Slot ovens.

8th November 1974.

2460/Cal/74. Council of Scientific and Industrial Research. A strain gauge torque transducer.

2461/Cal/74. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of orthotoluidine from ortho-nitrotoluene.

2462/Cal/74. Council of Scientific and Industrial Research. Improvement in or relating to the manufacture of tricresyl phosphate (pure or isomeric mixture) from cresol (pure or isomeric mixture) and phosphorous oxychloride.

2463/Cal/74. Council of Scientific and Industrial Research. A Process for the production of metol (N-methyl-p-aminophenol sulphate) from p-nitrophenol.

2464/Cal/74. Apamed Anstalt. An active intra-uterine device.

2465/Cal/74. Commissariat a l'Energie Atomique. A method for the volumetric inclusion and grefting of hydrophilic compounds in a hydrophobic substrate.

2466/Cal/74. Pfizer Corporation. 2-aminoalkyl tetrahydroquinolines and method of preparation. [Divisional date May 30, 1968].

- 2467/Cal/74. Crosrol Limited. Improvements in or relating to apparatus for the processing of slivers in textile machines.
- 2468/Cal/74. Indian Explosives Limited. Rigid waterproof container for slurried explosives in small diameters.
- 2469/Cal/74. The English Card Clothing Company Limited. Improvements in feed mechanisms for fibre processing machines. (November 10, 1973) U.K.
- 2470/Cal/74. The Wellcome Foundation Limited. Process for the preparation of 2, 4-diamino-5-benzylpyrimidines. (October 12, 1971). [Divisional date October 10, 1972].
- 2471/Cal/74. Dr. A. W. Standaart. Multi-beam cathode ray tube construction. [Divisional date August 17, 1972].
- 2472/Cal/74. Hoechst Aktiengesellschaft. Process and device for drying synthetic fibrous material.  
11th November 1974.
- 2473/Cal/74. Dalmia Institute of Scientific & Industrial Research. Process for the manufacture of silica refractory articles.
- 2474/Cal/74. Precision Valve Corporation. Dispensing pump.
- 2475/Cal/74. Bayer Aktiengesellschaft. Polyazo dyestuffs.
- 2476/Cal/74. Produits Chimiques Ugine Kuhlmann. Process for catalytic ammoxidation of olefins to nitriles.
- 2477/Cal/74. Ruhrchemie Aktiengesellschaft. Process for the manufacture of polyethylene with molecular weight above 500000.
- 2478/Cal/74. Frank Nattrass and Peter Johnson Nattrass. Improvements relating to bulk material containers.
- 2479/Cal/74. Frank Nattrass and Peter Johnson Nattrass. Improvements relating to bulk material containers.
- 2480/Cal/74. Frank Nattrass and Peter Johnson Nattrass. Improvements relating to bulk material containers.
- 2481/Cal/74. Tetracero, S. A. Improvements in or relating to a system of cold forming steel rods.
- 2482/Cal/74. Dr. C. Otto & Comp. GMBH. Flue gas collector main on regeneratively heated coke-ovens.
- 2483/Cal/74. Dr. C. Otto & Comp. GMBH. Process for the separation of crude benzol and naphthalene from washing oil and apparatus for performing the method.
- 2484/Cal/74. Dr. C. Otto & Comp. GMBH. Process and apparatus for removing ammonia from gases containing the same.
- 2485/Cal/74. Kraftwerk Union Aktiengesellschaft. A method of impregnating windings for electrical machines.
- 2486/Cal/74. Kureha Kagaku Kogyo Kabushiki Kaisha. A composition for insecticidal and the like purposes.
- 2487/Cal/74. Nuchem Plastics Ltd. A process for the preparation of antipyrine.
- 2488/Cal/74. Agrotechnika, n.p. Arrangement for biological and chemical purification of water by agglomeration.  
12th November 1974.
- 2489/Cal/74. Dalmia Institute of Scientific & Industrial Research. Process for the manufacture of improved refractory compositions and articles made therefrom.
- 2490/Cal/74. Asok Kumar. Improved water taps.
- 2491/Cal/74. Jean Ernst Kopp. Friction overload coupling.
- 2492/Cal/74. Cassella Farbwerke Mainkur Aktiengesellschaft. Production of solid preparations containing carbo-cromene hydrochloride.
- 2493/Cal/74. Kyowa Hakko Kogyo Co., Ltd. Antibiotics Designated XK-88 series and process for production thereof.
- 2494/Cal/74. Cummins Engine Company, Inc. Piston and cylinder construction.
- 2495/Cal/74. Enrico Antognini. Device for converting fluid flow into kinetic energy. (January 7, 1974).
- 2496/Cal/74. C. A. V. Limited. Fuel injection pumping apparatus. (November 23, 1973).
- 2497/Cal/74. FMC Corporation. Process of obtaining zinc oxide having improved filtering characteristics.
- 2498/Cal/74. International Computers Limited. Improvements in or relating to multiprocessor data processing systems. (December 14, 1973).
- 2499/Cal/74. Nippon Soda Company, Limited. Process for production of calcium hypochlorite.
- 2500/Cal/74. Burroughs Corporation. System and method for concurrent and pipeline processing employing a data driven network.
- 2501/Cal/74. Burroughs Corporation. Leadless ceramic package for integrated circuit having heat sink means.
- 2502/Cal/74. Hitachi, Ltd. Chopper control system.
- APPLICATION FOR PATENTS FILED AT THE BOMBAY BRANCH  
16th October 1974.
- 367/Bom/74. Cyanamid India Limited. Process for the preparation of racemic mixture of 2-amino-n-butanol. [Divisional date December 30, 1972].
- 368/Bom/74. Cyanamid India Limited. Process for the preparation of racemic mixture of 2-amino-n-butanol. [Divisional date December 30, 1972].  
17th October 1974.
- 369/Bom/74. Philips India Limited. Improved ferrite drum core.  
19th October 1974.
- 370/Bom/74. Dr. S. K. Sanghani. A device to raise the motor car on that particular side without manual labour in cases of a puncture in pneumatic tube.
- 371/Bom/74. Dr. S. K. Sanghani. An improved design in the conventional frame of the bicycle.
- 372/Bom/74. P. J. Padshah. An apparatus for doing physical exercises.  
21st October 1974.
- 373/Bom/74. J. C. Parekh. Self-Partitioned packaging carton and the like, and method of its manufacture.
- 374/Bom/74. Rocket Engineering Corporation Private Limited. An improved magnetically operated dry reed type liquid level controller.  
23rd October 1974.
- 375/Bom/74. Shri V. B. Shah, Shri M. V. Shah and Miss Damayanti Vadilal Shah. The process of chemical synthesis of refined paraffin wax and vegetable oil(s) or refined vegetable oil(s).  
28th October 1974.
- 376/Bom/74. Philips India Limited. "E" lamination ballast.
- 377/Bom/74. The Bombay Textile Research Association. A process for printing novel broken effects on textiles.

378/Bom/74. K. D. Amre and H. M. Shaikh. Process of manufacture of 3, 5, 5-trimethyl cyclohexanol.

379/Bom/74. K. D. Amre and H. M. Shaikh. Process of manufacture of 3, 5, 5-trimethyl-2-cyclohexene-1-one.

29th October 1974.

380/Bom/74. Mannin Engineering Limited. Means for coupling a pipe to a component carrying fluid.

#### APPLICATION FOR PATENTS FILED AT THE MADRAS BRANCH

30th September 1974.

154/Mas/74. V. Manickam. Improved bush for effecting slack-free and rigid bolted joints having large-clearance holes.

1st October 1974.

155/Mas/74. Dr. V. Venkatachalam. Air turbine of the impeller type.

3rd October 1974.

156/Mas/74. N. Madasamy. Improvements in or relating to direct current generators.

157/Mas/74. Sri A. J. Pinto. Indegenous lowcost, high speed suspension train (aero-magnetic).

5th October 1974.

158/Mas/74. Vermac India. An automatic vending machine.

14th October 1974.

159/Mas/74. Indian Institute of Technology. A method of preparing a solution for use in heat transfer by steam.

160/Mas/74. B. R. Chandrasekhar. Automatic all purpose electric cooker.

15th October 1974.

161/Mas/74. D. Jawarilal. Power operated fuel tank cap for automobiles.

162/Mas/74. M. A. Padmanabhaiah, and K. B. Rao. Insulated, internal fuse protection on L. T. side of the distribution transformer.

19th October 1974.

163/Mas/74. The Central Machine Tool Institute. A mechanism for setting an auxiliary origin in a measuring device whose readings are in absolute form.

164/Mas/74. K. M. Ranka. Automatic measured dispenser for powdered substances.

21st October 1974.

165/Mas/74. M. M. Purushothaman. A truck mounted material handling crane attachment (fully hydraulic).

22nd October 1974.

166/Mas/74. M. K. Murty. Eezy electric water heater.

26th October 1974.

167/Mas/74. Shri A. J. Pinto. Switch and angular commutators for M.R.M.

2nd November 1974.

168/Mas/74. Dr. M. Zainulabdcen. An improved type of physician's emergency medicine kit.

#### ALTERATION OF DATE

136401. Ante-dated to 29th October 1971.

(2595/Cal/73).

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the applications concerned,

may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>1</sub>+F<sub>2b</sub> & 55E<sub>4</sub>.

81462.

#### PROCESS FOR THE PREPARATION OF BENZODIAZEPINE COMPOUNDS.

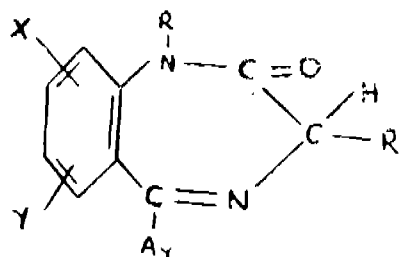
AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 81462 filed March 28, 1962.

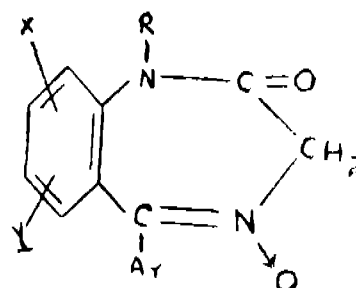
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Process of preparing a compound having formula I.



where X and Y each represents hydrogen, chlorine, bromine, nitro, trifluoromethyl, or methylsulfonyl, R is hydrogen or a hydrocarbon radical, Ar is an aryl radical, and R' is a hydroxy, halogen, alkoxy or acyloxy radical, which comprises the steps of treating a compound having formula II of the drawings.



where X, Y, R, and Ar have the meanings above recited, with an agent of the group consisting of carboxylic acid chlorides and carboxylic acid anhydrides and recovering at least one product having formula I of the drawings, wherein X, Y, Ar, and R have the meanings above recited and R' represents a member of the group consisting of halogen and acyloxy radicals.

CLASS 32F<sub>1</sub>, F<sub>2a</sub>, F<sub>2b</sub>, F<sub>2c</sub>+F<sub>2d,1</sub>.

95909.

6 Claims.

**PROCESS FOR THE PREPARATION OF NOVEL AMINOALKYLPHOSPHORUS COMPOUNDS.**

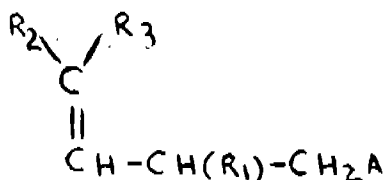
PFIZER INC., FORMERLY KNOWN AS CHAS PFIZER & CO., INC., OF 235 EAST 42ND STREET, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 59509 filed October 3, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims.**

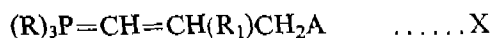
A process for the preparation of compounds of the formula I.



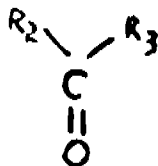
wherein R<sub>1</sub> is H or alkyl of 1 to 6 carbon atoms, R<sub>2</sub> and R<sub>3</sub> are each, separately, alkyl of 1 to 4 carbon atoms or together with the carbon atom to which they are attached form part of a ring system, the central ring of which has from 3 to 7 member atoms,

A is amino, monoalkylamino, dialkylamino, piperidino, morpholino, piperazinyl, 4-alkylpiperazinyl, 4-hydroxyalkyl-piperazinyl, 4-alkoxy-alkylpiperazinyl, 4-aryloxyalkylpiperazinyl, 4-hydroxyalkoxyalkyl-piperazinyl, 4-alkylsulfonylpiperazinyl, 4-dialkylsulfonylpiperazinyl, mono-lower alkenylamino, or mono-lower cycloalkylamino, said alkyl, said lower alkenyl and said cycloalkyl groups containing 1 to 4 carbon atoms, said aryl groups containing 1 to 8 carbon atoms; which comprises

reacting a phosphorane of the formula



wherein R is alkyl of 1 to 6 carbon atoms, phenyl, aminophenyl, or benzyl, and R<sub>1</sub> and A are as defined above, with a ketone of the formula



wherein R<sub>2</sub> and R<sub>3</sub> are as defined above.

CLASS 32F<sub>1</sub>.

108216.

**PROCESS FOR THE PREPARATION OF NEW 2-AMINO-HALOGENOBENZYLAMINES.**

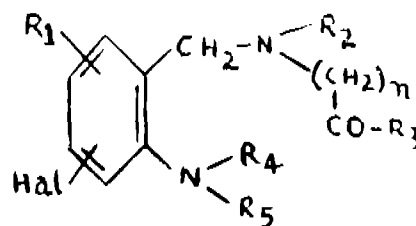
DR. KARL THOMAE G.M.B.H. OF BIBERACH AN DER RISS, FEDERAL REPUBLIC OF GERMANY.

Application No. 108216 filed November 30, 1966.

Convention date June 6, 1966 (25165/66) U.K.

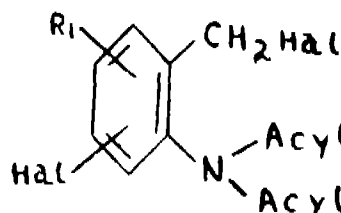
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for the preparation of compounds of the general formula I.

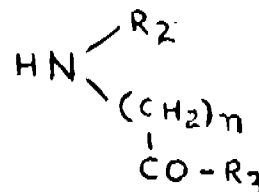


(wherein Hal represents a chlorine or bromine atom in the 3, 4, 5 or 6 position of the benzene ring;

R<sub>1</sub> represents a hydrogen or halogen atom; R<sub>2</sub> represents a hydrogen atom, a straight or branched chain alkyl or alkenyl group, a hydroxyalkyl, alkoxyalkyl, dialkyl-aminoalkyl, or cycloalkyl group; an aryl group which may be substituted by a halogen atom or an alkyl, alkoxy, nitro, carboxy or carbalkoxy group; an aralkyl, pyridyl or pyridyl-alkyl group, which groups may be substituted by a halogen atom or an alkyl or alkoxy group, R<sub>3</sub> represents a hydroxyl or alkoxy group; an amino group, which may be free or substituted by one or two straight chain or branched lower alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, alkenyl, dialkylaminoalkyl, aryl, halogen-substituted aryl, aralkyl or pyridyl groups which may be the same or different, or together with the nitrogen atom form a pyrrolidine, piperidine, piperazine, morpholine or hexamethylene-imine ring which may be substituted by one or more lower alkyl groups; R<sub>4</sub> represents an acyl groups; R<sub>5</sub> represents an acyl group or a hydrogen atom; and n represents 1, 2 or 3 and their non-toxic salts, which comprises reacting a 2-diacylamino-halogenobenzyl halide of formula II



(in which the Hal groups, which can be the same or different, are bromine or chlorine atoms and R<sub>1</sub> is as defined above) with an aminocarboxylic acid, or derivative thereof, of formula III.



(in which R<sub>2</sub>, R<sub>3</sub> and n are as defined above).

CLASS 32a<sub>1</sub>.

109350.

**A METHOD OF OBTAINING COMPOUNDS OF ANTI-ACIDOTIC ACTION.**

LABORATORIES FERRER, S. L. AV. CAPTAIN LOPEZ VERELA, 106 BARCELONA (SPAIN).

Application No. 109350 filed February 17, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

A method of obtaining tris (hydroxymethyl) aminomethane derivatives of monocarboxylic aminated organic acids such as theophylline-acetic acid, thioctic acid, orotic acid and pangamic acid characterized by reacting these acids or their inorganic salts with tris (hydroxymethyl) aminomethane or its acid salts.

CLASS 32F<sub>17</sub>-F<sub>30</sub>.

122300.

## PROCESS FOR THE PREPARATION OF 2-ALKYL-4,5-DIPHENYLPYRROLE DERIVATIVES.

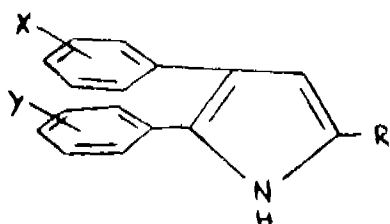
SANKYO COMPANY LIMITED, OF NO. 1-6, 3-CHOME, NIHONBASHI HON-CHO, CHYUO-KU, TOKYO, JAPAN.

Application No. 122300 filed July 16, 1969.

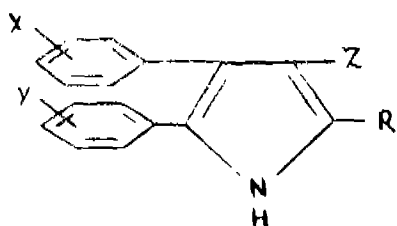
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim.

A process for the preparation of a compound having the formula I



wherein X and Y may be the same or different and each represents hydrogen atom, a lower alkyl group, a lower alkoxy group, a N-di (lower alkyl) amino group or a halogen atom, provided that both X and Y are not hydrogen atom, and R represents a lower alkyl group which comprises hydrolyzing and decarboxylating a compound having the formula IV.



wherein X, Y and R are as defined above and Z represents an esterified carboxyl group, cyano group or a substituted or unsubstituted carbamoyl group with an acid or an alkali substance.

CLASS 32F<sub>20</sub>.

133420.

## PROCESS FOR THE PREPARATION OF ISOINDOLINE DERIVATIVES.

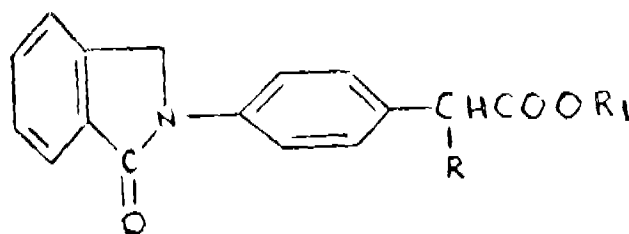
CARLO ERBA S.P.A., OF VIA CARLO IMBONATI 24, 20159 MILAN, ITALY.

Application No. 133420 filed October 29, 1971.

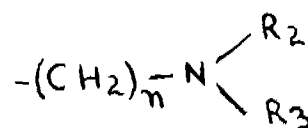
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 2 Claims.

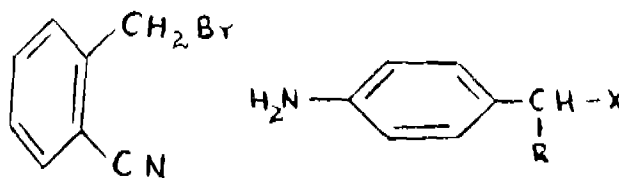
Process for the preparation of isoindoline derivatives of the general formula (I).



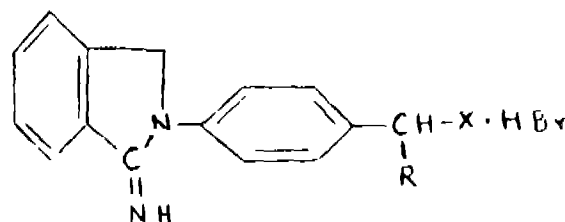
wherein R is a member selected from the group consisting of hydrogen and lower alkyl or 1 to 4 carbon atoms, and R<sub>1</sub> is a member selected from the group consisting of hydrogen, lower alkyl of 1 to 4 carbon atoms and a group of general formula shown in Fig. 1.



wherein n is 1 or 2 and R<sub>2</sub> and R<sub>3</sub> are independently selected from the group consisting of hydrogen and lower alkyl of 1 to 4 carbon atoms, and of physiologically acceptable basic addition salts of the compounds of general formula (I) wherein R<sub>1</sub> is hydrogen, as well as of physiologically acceptable acid addition salts of the compounds of general formula (I), wherein R<sub>1</sub> is the group of the formula shown in Fig. 1 of the drawings, which process comprises reacting o-cyanobenzylbromide of the formula shown in Fig. 2. with a compound of general formula (II).



wherein X is a carboxy, carbalkoxy or a cyano group, and R is as defined above, thereby forming a compound of general formula (III).



wherein R and X are as defined above, which if desired, is then saponified to give compounds of general formula (I), wherein R<sub>1</sub> is hydrogen, which, if desired, are esterified in a known manner such as herein described, and, if desired, reacting the compounds of general formula (I), wherein R<sub>1</sub> is hydrogen, with an appropriate base to give a physiologically acceptable salt, or reacting the compounds of general formula (I), wherein R<sub>1</sub> is the group of the formula shown in Fig. 1 of the drawings as defined earlier, with an appropriate acid to give a physiologically acceptable salt.

CLASS 32C, 55F &amp; 83A.

133624.

20 Claims. No drawings.

## METHOD OF TREATING MICROBIAL CELLS.

KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 3, 3-CHOME, NAKANOSHIMA, KITA-KU-OSAKA, JAPAN.

Application No. 133624 filed November 15, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A method of treating microbial cells, for the production of proteinaceous foodstuff which comprises driving off by evaporation the volatile matters from at least one kind of volatile matters-containing cells recovered from the fermentation liquor at the falling rate period of drying after the end of the constant rate period of drying, and simultaneously further heating the cells at least 65°C, preferably at 90–120°C, for at least 30 minutes sufficient for modifying the protein in the cells and breaking the membranes of the cells.

CLASS 14E<sub>1</sub>+E.

134780.

## METHOD OF MAKING PAPER AND OTHER CELLULOSE PRODUCTS.

UDDEHOLMS AKTIEBOLAG, OF UDDEHOLM, SWEDEN.

Application No. 134780 filed March 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A method of making paper and other cellulose products by methods known per se but which includes a step of breaking down lignin or degradation products thereof by chemical treatment of a cellulose containing product to produce an aqueous effluent containing lignin or degradation products thereof wherein the effluent is brought into contact with a porous and granular phenolic resin which will absorb lignin or degradation products thereof from the effluent; separating the effluent having a reduced content of lignin or degradation products thereof useful as a recycle material and eluting the resin.

CLASS 84C.

135236.

## COATING OF REACTIVE FORM COKE BY CATALYTIC DEPOSITION OF GLANZ CARBON.

FMC CORPORATION, AT 633 THIRD AVENUE, NEW YORK 17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 135236 filed April 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

The method of producing a glanz carbon coating on reactive form coke briquettes characterized by heating the precursor green briquettes to at least during temperatures in the presence of a catalyst metal, or salt thereof, selected from the group consisting of tin and zinc, adjacent to the surface of the briquettes.

CLASS 90C.

135320.

## LAMINATED GLASS SHEETS.

SAINT-GOBAIN, OF 62 BOULEVARD VICTOR HUGO, 92 NEUILLY-SUR-SEINE, FRANCE.

Application No. 135320 filed April 18, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A laminate comprising a silicate glass sheet, a sheet of an extensible plasticised tear-resistant plastically deformable plastics material such as herein described of a thickness ranging from 0.5 to 1.5 mm adhered to one face of the glass sheet and a protective layer on the face of the plastics material remote from the glass sheet, the protective layer being composed of soft plastic composition such as herein described capable for flowing plastically to return spontaneously to its undeformed state after deformation.

CLASS 68E<sub>1</sub>.

136381.

## IMPROVEMENTS IN BALLAST CIRCUITS FOR DISCHARGE LAMPS.

THORN ELECTRICAL INDUSTRIES LIMITED, OF THORN HOUSE, UPPER SAINT MARTIN'S LANE, LONDON, WC2H 9ED, ENGLAND.

Application No. 904/72 filed July 18, 1972.

Convention date July 20 1971 (34064/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A ballast circuit for a discharge lamp, comprising input terminals for receiving an alternating voltage, output terminals for applying a uni-directional voltage to a discharge lamp, and means connected between the input and output terminals for applying to the output terminals at least two current components which differ in phase.

CLASS 116H.

136382.

## FRAMEWORK FOR TRAVELLING CRANE.

GESCHAFTS- UND INDUSTRIEBAU B. MOELLER & CO., OF SCHEUCHZER-STRASSE 64, ZURICH, SWITZERLAND.

Application No. 993/72 July 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A framework for a travelling ship crane on rails, comprising a pair of articulated support units, each constructed of struts rigidly joined to form a horizontal base and an upward extending apex, hinge means at the apex of each articulated support unit for supporting the crane, wheel means at the base corners of each of the articulated support units for supporting the support units and crane on the rails, and sliding joint means for interconnecting the bases of the articulated support units, the apex of each articulated support unit located at a horizontal spacing between the wheel means on the corners of each base to produce substantially equal loading on each wheel-means-engaged unit length of the full length of rails beneath the pair of support units.

CLASS 64B<sub>1</sub>.

136383.

## ELECTRICAL FEEDTHROUGH ASSEMBLIES FOR CONTAINMENT STRUCTURES HAVING SPECIALLY CONTROLLED ENVIRONMENTS.

BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Application No. 1203/72 filed August 18, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An electrical feedthrough assembly for a containment structure having a controlled environment comprising header means cooperatively mountable to said containment structure for feeding electrical connections to the interior thereof, said header means including at least one feedthrough module, conductor-receiving terminations at opposite ends of

said module for respectively receiving conductors from inside and outside of said containment structure, each conductor-receiving termination including an insulative member supporting at least one hermetically sealed electrical terminal therein, said feed-through module having interfacial means comprising an insulating member supporting at least one interfacial electrical contact for removable engagement with the terminals of said conductor-receiving terminations so as to provide substantially rigid electrical and mechanical coupling therebetween, means for removable mounting each conductor-receiving termination to said header means, and sealing means provided between said header means and said removable mounting means at first and second spaced locations chosen so that removal of only one of said conductor-receiving terminations will not affect the sealing integrity of said containment structure.

CLASS 50E<sub>2</sub>+68E<sub>2</sub>+69-I.

136384.

TRANSPORTABLE REFRIGERATION UNIT HAVING INDUCTION ALTERNATOR-INDUCTION MOTOR RE-CONNECTION AND CONTROL SYSTEM.

THERMO KING CORPORATION, OF 314 WEST 90TH STREET, MINNEAPOLIS MINNESOTA, (UNITED STATES OF AMERICA.

Application No. 1228/72 filed August 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A transportable refrigeration unit adapted to be powered alternatively by a self-contained prime mover for operation in a first mode or from an external electric power supply socket for operation in a second mode, comprising an induction machine, a mechanical load comprising a refrigerant compressor, means for mechanically connecting the induction machine and said mechanical load to said prime mover for operation thereby in said first mode, and for disconnecting same from the prime mover for operation in said second mode, an electric load adapted to be connected to said induction machine, a plug socket on the refrigeration unit having passive electrical components for supplying excitation to said induction machine connected thereto, and a power cord with a plug for alternatively connecting said induction machine to said plug socket on the refrigeration unit, thereby to permit operation of the induction machine as a generator of electric power for said electric load in the first mode of operation, or connecting said induction machine and said electric load to said external electric power supply socket, thereby to permit operation of the induction machine as a motor for driving said mechanical load in the second mode of operation.

CLASS 23H.

136385.

IMPROVEMENTS IN AND RELATING TO SLEEVES FOR GRAMOPHONE RECORDS.

NORMAN JOHN GARROD, OF GREAT COMMON, BLETCHINGFY, SURREY, ENGLAND.

Application No. 1304/72 filed August 31, 1972.

Convention date September 6, 1971 (41452/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A record sleeve comprising, a first side member, a second side member overlying the first side member to provide therebetween a record receiving space, means joining edges of the side members together to leave an edge of said sleeve open for insertion of a record into the record receiving space, the joining means including a spine panel extending perpendicular to the side members, between the edges of the side members joined thereby, and a reinforcing bead extruded

onto the spine panel, the bead being made of a synthetic plastics material.

CLASS 70A.

136386.

IMPROVEMENTS IN AND RELATING TO CELL TOPS FOR AMALGAM HEAVY-DUTY CELLS.

C. CONRADTY, OF POSTFACT 480, 8500 NURENBERG 8, WEST GERMANY.

Application No. 1339/72 filed September 5, 1972.

Convention date July 26, 1972 (29849/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims.

Cell top for amalgam heavy-duty cells having an automatically adjustable supporting structure, comprising current suppliers and distributors made of copper of aluminium conductor material, which in use are screened from the interior of the cell and are constructed as longitudinal bearers, contact strips or studs made of valve metal and disposed beneath said longitudinal bearers, a cell screen made of valve metal sheet and welded to said contact strips or studs, and replaceable anode bars or anode grids made of coated valve metal and attached to the contact strips or the contact studs.

CLASS 33A.

136387.

METHOD AND APPARATUS FOR CONTINUOUS CASTING BY MEANS OF A VERTICALLY DESCENDING STARTER BAR.

USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1536/72 filed September 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method of continuous casting by means of a vertically descending starter bar in which the solidified leading end of the descending casting having the starter bar attached thereto descends between guide rolls, and an assembly of power-driven pinch rolls, and the casting is bent for passage through a curved roll rack when the starter bar has been disconnected for vertical disposal thereof, characterized by initially bending the casting by offsetting the first bending rolls rotating about fixed axes to an extent providing clearance for the adjacent side of the starter bar in its vertical descent, by retracting an entry section of rolls traversing the path of the starter bar for passage thereof, and by relocating said entry section in the curved roll rack upon disconnection of the starter bar.

CLASS 32A.

136388.

PROCESS FOR THE PREPARATION OF WATER-INSOLUBLE MONOAZO DYESTUFFS.

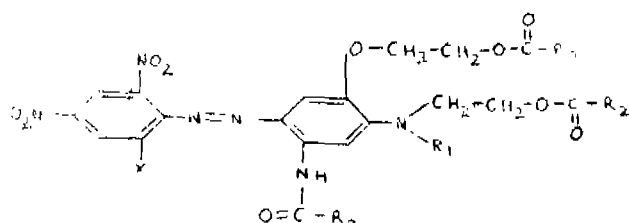
FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1339/72 filed September 2, 1972.

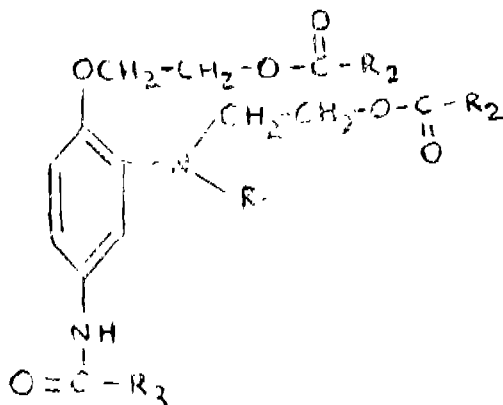
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A process for preparing water-insoluble monoazo dyestuffs of the general formula (1).



in which X represents a chlorine or bromine atom, R<sub>1</sub> represents an alkyl group of 1 to 4 carbon atoms, and R<sub>2</sub> and R<sub>3</sub> each represents a methyl or ethyl group wherein 2, 4-dinitro-6-chloroaniline or 2, 4-dinitro-6-bromoaniline is diazotized and combined with a coupling component of the formula (2).



in which R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are defined as above.

## CLASS 167C.

136389.

## IMPROVEMENTS IN OR RELATING TO AIR SEPARATORS.

DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24-B, PARK STREET, P.O. PARK STREET, CALCUTTA-16, STATE OF WEST BENGAL, INDIA.

Application No. 2028/72 filed November 30, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

An improved air separator which is characterised in that it mainly consists of a receptacle meant for receiving a material (as hereinbefore defined) in the liquid form, or in the form of a mixture of liquid and solid, or in the form of solid, all in the presence of air, the said material being introduced in the said receptacle, the internal pressure of the said receptacle being equal to atmospheric pressure and the receptacle having one or more inlets for introducing the said material with air, at least one air outlet for the release of air separated from the material due to buoyancy effect and at least one outlet for the discharge of the material free from air.

## CLASS 206B.

136390.

## MICROWAVE MULTIPLEXER.

TAVKOZLESI KUTATO INTEZET, OF 65, GABOR ARON UTCA, 1026 BUDAPEST II, HUNGARY.

Application No. 937/Cal/73 filed April 19, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A microwave multiplexer which is attached to transmission lines and which is built up of filters formed coupled cavity resonators characterized in that the particular filters are interconnected by a principal cavity resonator shaped for a single waveform, further that to this principal cavity resonator subsidiary cavity resonators of a number by one less than that of the filters and a transmission line section is attached, further that the subsidiary cavity resonators are by a method known by itself shaped for a resonance frequency lying between the frequency band of the microwave signals to be segregated or summed up.

## CLASS 131B.

136391.

## PERCUSSION BITS.

BAKER OIL TOOLS, INC., 7400 EAST SLAUSON AVENUE, LOS ANGELES, CALIFORNIA 90040, UNITED STATES OF AMERICA.

Application No. 461/Cal/73 filed March 1, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims.

A percussion bit for drilling a bore hole in a formation comprising a body having a bottom drilling face; individual cutting elements comprising buttons having rear shank portions secured to said body and forward portions projecting downwardly below said drilling face, said buttons being disposed in spaced relation to each other and being so arranged on said body as to collectively act upon substantially the full area of the bottom of the bore hole during repeated impacting action imparted to said body and buttons while said body and buttons are being rotated in the bore hole; the forward portion of each button projecting downwardly below said drilling face more than about 0.7 times the diameter of the rear shank portion of such button.

## CLASS 14A.

136392.

## PRODUCTION OF IRON ELECTRODES FOR STORAGE BATTERIES.

INTERNATIONAL NICKEL LIMITED, OF THAMES HOUSE, MILLBANK, LONDON, S. W. 1, ENGLAND.

Application No. 470/72 filed June 8, 1972.

Convention date June 21, 1971 (28977/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims. No drawings.

A process for forming negative iron active mass on an electrically conducting support in which the active mass is electrolytically deposited from an electrolyte containing ferrous ions, ammonium ions and a buffering agent, the pH of the electrolyte being from 2.5 to 5.5, and the current density being not greater than 140 MA/cm<sup>2</sup> and being correlated with the pH and concentration of the electrolyte such that the deposited active mass consists of iron as well as iron oxide or hydroxide.

## CLASS 68B+E.

136393.

## A MULTI-GUN RESISTANCE WELDING MACHINE.

MR. DAVID SCIARKY, AT 999 NO. LAKE SHORE DRIVE, CHICAGO, ILLINOIS, 60611, UNITED STATES OF AMERICA.

Application No. 704/72 filed June 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A multi-gun resistance welding machine wherein is provided power supply having a set of input and a set of output terminals, a first bus bar connected at its one end to one of said set of output terminals, a second bus bar insulated electrically from and disposed in close proximity and parallel to



the first said bus bar, a third bus bar, disposed parallel to but laterally positioned from the said first two bus bars, whose one end is connected by the shortest possible connection to that end of the second bus bar which is opposite the first mentioned end of the first bus bar and whose other end is connected to another one of said set of output terminals, pairs of terminal points arranged along the said first two bus bars each pair of said terminals consisting of a terminal point on the first bus bar and a terminal point on the second bus bar, said terminals in each of said pairs being arranged in closest proximity to one another, and means for connecting a welding gun to each of the said sets of terminals.

CLASS 61H &amp; 92D.

136394.

## APPARATUS FOR TREATING SEEDS.

RAYMOND DEVON AMBURN, OF 11420 CANAL ROAD, UTICA, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 816/72 filed July 10, 1972.

Addition to No. 122620.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Apparatus for magnetically treating seeds, comprising :

- (a) a tubular conduit of non-magnetic material
- (b) a magnet mounted on the conduit between the ends thereof for providing a magnetic field extending through the conduit
- (c) an auger rotatably mounted on and coaxial with the conduit and arranged to convey seeds from an inlet at one end portion of the conduit through the magnetic field to an outlet at the opposite end portion thereof

the arrangement being such that in operation when seeds have been charged into the conduit, rotation of the auger will cause each seed to roll and tumble and to be oriented while passing through the magnetic field in a plurality of positions relative thereto, wherein the apparatus is provided with heating means mounted on the conduit between the inlet and the magnet and operable to heat the seeds in the conduit while being conveyed from the inlet to the magnetic field.

CLASS 70-A.

136395.

## REDUCED MERCURY-CONTAINING ZINC ALKALINE CELLS.

UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Application No. 1539/72 filed September 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A galvanic cell having a zinc anode, a manganese dioxide cathode and an alkaline electrolyte, said cell also containing less than 8% mercury based on the weight of the zinc anode and an ethylene oxide polymer selected from the group consisting of diethylene glycol, triethylene glycol, polyethylene glycol having an average molecular weight of from about 190 to about 7,000, C<sub>4</sub> and lower alkyl ethers thereof, and C<sub>4</sub> and lower alkane esters thereof said ethylene oxide polymer and said mercury in combination providing an improved storage stability under comparable conditions for said cell as provided by a cell otherwise identical but containing the same quantity of mercury in the absence of said ethylene oxide polymer.

2-367GI/74

CLASS 85H.

136396.

## IMPROVEMENTS IN OR RELATING TO METALLIC COVER PLATES (TAWAS) FOR CLOSING FUEL FEED HOLES IN THE BRICK KILNS.

PRIYAVARAT, OF SONEPAT ROAD, ROHTAK (HARYANA), INDIA.

Application No. 1669/72 filed October 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A metallic cover plate (Tawa) for closing fuel feed holes in brick kiln is characterised in that it essentially comprises a circular cover plate and a casing B of the same material adapted to receive the said cover plate A, the said casing B being provided with equidistantly placed four brackets C at its bottom to facilitate easy balancing in uneven surfaces and the inner surface of the casing B being machined to provide a smooth surface, the said casing B being stuffed with glass wool on both the surfaces thereof and further characterised in that the said casing B and the outer side of the said cover plate A are made tapering, the taper sloping downwards.

CLASS 40H.

136397.

## A PROCESS FOR THE PRODUCTION OF ABSORBENT BASED ON A SYNTHETIC RESIN.

BAYER AKTIENGESellschaft, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 2177/72 filed December 18, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A process for the production of an absorbent based on a synthetic resin, wherein an extractant, a mixture of extractants or a solution of an extractant in a solution promoter is added to a mixture to be polymerised comprising a monomeric monovinyl compound and a polyvinyl compound, the extractant, the mixture of extractants or the solution of the extractant in a solution promoter being a solvent for the monomeric monovinyl or polyvinyl compound but not for the polymer; and wherein polymerisation is carried out in the presence of the extractant, the mixture of extractants or the solution of the extractant in a solution promoter.

CLASS 24D<sub>1</sub>+D<sub>2</sub>+D<sub>3</sub>+E.

136398.

## CONTROL VALVE FOR PRESSURE AIR BRAKE INSTALLATIONS ON RAILWAY VEHICLES.

KNORR-BREMSE GMBH, OF MOOSACHER STRASSE, 8 MÜNCHEN 13, FEDERAL REPUBLIC OF GERMANY.

Application No. 2143/72 filed December 12, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Control valve for pressure air brake installations on railway vehicles, having a control piston loaded with the pressure in a main air line in opposition to the pressure in a control chamber, for actuating an inlet and an outlet valve for subjecting a brake cylinder to the action of pressure air, and having an acceleration control valve for bleeding air out of the main air line into a chamber the connection of which to the atmosphere is monitored by a valve controlled by the pressure in the brake cylinder, and having a monitoring device monitoring a connection routed via a sensitivity nozzle from the main air line to the control chamber and actuated by a piston subjected to the action of the pressure in the chamber in opposition to the pressure in the main air line, characterised in that the monitoring device has a shutoff valve (24, 26) which is opened only in the event of predominant action on the piston (16) of the pressure in the main air line (5) and which is arranged in the connection (25) between the main

air line and the control chamber (4), and a shutoff device (throttle duct 22, piston 16) opening, on the shutoff valve being closed, a throttle connection between the main air line and the chamber (12).

CLASS 70C & 130-L.

136399.

**METHOD OF ELECTROCHEMICAL PROCESSING OF MANGANESE ORES AND THEIR CONCENTRATION WASTES.**

INSTITUT NEORGANICHESKOI KHIMII I ELEKTRO-KHIMI AKADEMY NAUK GRUZINSKOI SSR, RUKHADZE I, ULITSA Z. THILISI, USSR.

Application No. 1564/72 filed October 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims.

Electrochemical method of processing of manganese ores and their concentration for production of manganese concentrates characterized in that manganese ores or its concentration wastes are leached with an acid solution and aqueous solution of manganese salt is produced, said solution of manganese salt is then delivered from waste rock and subjected to electrolysis, waste electrolyte-anolyte containing an acid is subjected to leaching, characterized in that electrolysis is performed in a membrane-type electrolyzer, the solution containing besides manganese salt a salt of an alkali or an alkali-earth metal, the temperature in the anodic camera being 80—100°C and the ratio of anodic to cathodic current densities no less than 1.2, hydrogen being produced at the cathode, manganese hydroxide and an alkali catholyte in the cathodic camera, manganese dioxide at the anode, and anolyte in the anodic camera the latter containing besides the acid a salt of an alkali or an alkali-earth metal, the product of electrolyzer, manganese hydroxide being discharged from the electrolyzer, being paste-like and containing part of the alkali catholyte.

CLASS 189.

136400.

**MICROBICIDAL HAIRDRESSING.**

COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Application No. 487/72 filed June 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A transparent hairdressing which comprises in amount of less than 50% by weight a higher alkyl di-lower alkyl arylalkyl ammonium saccharinate microbicide, a hydrophilic polyethylene-polypropylene glycol oil and a lipophilic poly-lower alkylene glycol oil, or derivative thereof, and an aqueous or aqueous-alcoholic carrier medium.

CLASS 32F<sub>01</sub>.

136401.

**PROCESS FOR THE PREPARATION OF ISOINDOLINE DERIVATIVES.**

CARLO ERBA S.P.A., OF VIA CARLO IMBONATI 24, 20159 MILAN, ITALY.

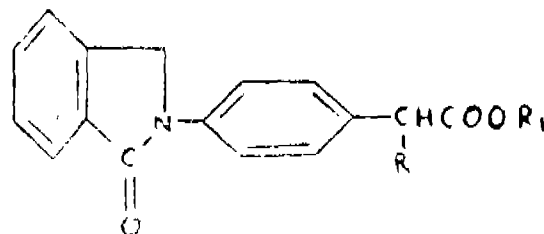
Application No. 2595/Cal/73 filed November 24, 1973.

Division of Application No. 133420 filed October 29, 1971.

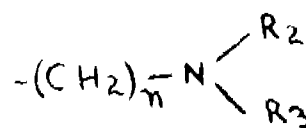
Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

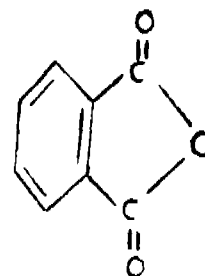
A process for the preparation of isoindoline derivatives of the General Formula 1.



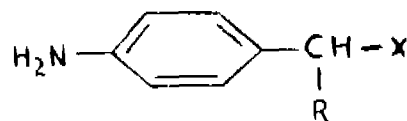
wherein R is a member selected from the group consisting of hydrogen and lower alkyl of 1 to 4 carbon atoms, and R<sub>1</sub> is a member selected from the group consisting of hydrogen, lower alkyl of 1 to 4 carbon atoms and a group of general formula shown in Fig. 1.



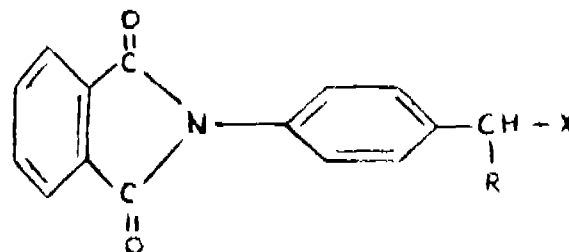
wherein n is 1 or 2 and R<sub>2</sub> and R<sub>3</sub> are independently selected from the group consisting of hydrogen and lower alkyl of 1 to 4 carbon atoms and of physiologically acceptable basic addition salts of the compounds of general formula (I) wherein R<sub>2</sub> is hydrogen, as well as of physiologically acceptable acid addition salts of the compounds of general formula (I), wherein R<sub>3</sub> is the group of the formula shown in Fig. 1 of the drawings said process comprising: formula (I), wherein R<sub>1</sub> is the group of the formula shown in Fig. 1 of the drawings, which process comprises reacting phthalic anhydride of the formula shown in Fig. 2



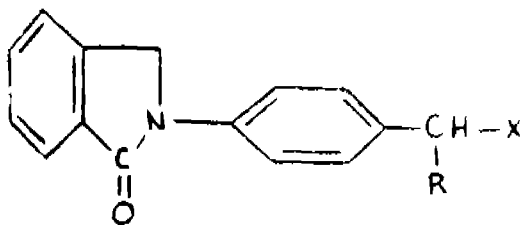
with a compound of formula (II)



wherein X is a carboxy or a cyano group and R is as defined above, thereby obtaining a compound of formula (III)



wherein X and R as defined above, which is subsequently reduced with a suitable reducing agent to give a compound of formula (IV)



which, if desired, is then saponified to give compounds of general formula (I) wherein  $R_1$  is hydrogen, which, if desired, are esterified in a known manner such as herein described and, if desired, reacting the compounds of general formula (I) wherein  $R_1$  is hydrogen, with an appropriate base to give a physiologically acceptable salt, or reacting the compounds of general formula (I), wherein  $R_1$  is the group of the formula shown in Fig. 1 of the drawings as defined earlier with an appropriate acid to give a physiologically acceptable salt.

CLASS 32E, 1041 +J+K.

136402.

#### POLYURETHANE FOAMS.

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON S. W. 1, ENGLAND.

Application No. 2116/72 filed December 11, 1972.

Convention date December 11, 1971 (57647/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A process for the production of semi-flexible polyurethane foams, in which a polymeric polyol is reacted in a foam-forming reaction mixture with an adduct of an organic polyisocyanate and a polyhydroxyl compound having two or more hydroxyl groups, said reaction mixture containing as a foam modifier, a substance normally effective as a catalyst for the polymerisation of tolylene diisocyanate.

CLASS 32F<sub>3a</sub>+T<sub>1</sub>.

136403.

#### PROCESS FOR THE PRODUCTION OF CARBAMOYL SULPHOXIDE COMPOUNDS.

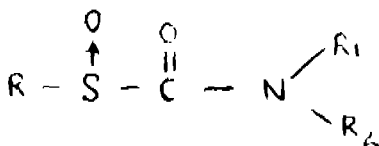
MONTECATINI EDISON S.P.A., OF 31, FORO BUO NAPARTE, MILAN, ITALY.

Application No. 2504/Cat/73 filed November 14, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

34 Claims.

Process for the production of compounds of the class of carbamoyl sulphoxides having formula I.



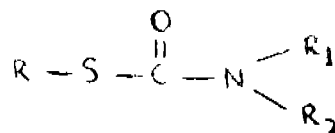
wherein R=aryl, alkyl, alkenyl, optionally substituted,  $R_1$  and  $R_2$ , like or unlike each other, are H, alkyl, alkenyl, aryl, optionally substituted, or aliphatic groups which, bound to one another in the

for of a  $-(CH_2)_p-(X)_n-(CH_2)_q$  chain, in which  $p=1, 2, 3$ ;  $Q=1, 2$ .

3;  $X=Q, =S, =S-O, -S-, n=0, 1$  and when  $n=1$   $p+q=4$ , form

with N a ring,

characterized in that a carbamate of the formula II.



in which R,  $R_1$ ,  $R_2$  have the above mentioned meaning is reacted with an oxidizing agent at a temperature between  $-50^\circ\text{C}$  and  $+50^\circ\text{C}$  at atmospheric pressure to obtain the compound of formula I in which R,  $R_1$  and  $R_2$  have the above mentioned meanings.

#### OPPOSITION PROCEEDINGS

An opposition has been entered by Shri Natverlal Purshotamdas Kinariwala to the grant of a patent on application No. 135791 made by Shri Munish Chandra Agarwal.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta at two rupees per copy:—

(1)

99336 121002 121083 121087 121140 121145 121151 121183  
121281 121282 121385 121573 121620 122380 122407 122408  
122456 122521 122538 122582 122623 122633 122671 122681  
122686 122860 122929 122964 122988 123119 123264 123546  
123625 123687 123857 123878 124545 124597 125016 125356  
125363 125457 125876 126127.

(2)

119314 119315 119331 121453 121469 121606 121649 122100  
122483 122967 123054 123071 123200 123536 124015 124099  
124131 124210 124811 125261 126344.

(3)

125000 125043 125066 125071 125095 125127 125304 125378  
125510 125551 125610 125641 125750 126241 126305 126352  
126386 126781 126800 126848 126961 127298 128121 128392  
128506 128627 128742 128777 129287 129449 129777 129963  
129977 130013

(4)

125546 125699 125712 125806 125843 125925 125956 125970  
126019 126245 126265 126322 126358 126555 126713 127062  
127133 127225 127282 127558 127640 127830 127947 128596  
128634 128653 128688 128967 129085 128178 129233 129304  
129478 130014 130658 130697.

(5)

127911 128096 128663 128699 128715 129039 129109 129639  
130064 130253 130535 131727 132691 132709 132918

(6)

125918 125983 126022 126054 126953 126988 127155 127178  
127274 127296 127972 128068 128380 129002 129438 139835  
130663

(7)

123640 124056 124465 124529 124657 125055 125331 125450  
125451 125697 125862 126299 126506 127019 127493 127494  
127607 127608 127609 127748 128469 128543 128609 128973

(8)

113362 124686 124689 124694 124777 126185 127871 128269  
128308 128644 128743 130062.

127227 127287 127297 127379 127500 128035 128167 128242  
128563 128766 129116 129996 130486.

## PATENTS SEALED

(9)

125113 125123 125186 125187 125207 125226 125240 125247  
125300 125567 125756 125841 126205 126263 126455 126528  
126553 126610 126640 126692 126724 126895 127121 127202

76839 78120 93609 99783 103218 111498 112137 117052  
117214 119723 125902 126397 127250 127256 127284 127558  
128879 129044 129545 130443 130469 131367 132096 133051  
133297 133331 133368 133821 133836 134019 134056 134358  
134816 135373 135412 135413 135609 135626 135627.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 14(2) of the Patent Act, 1970, in respect of Calendar years 1972- and 1973, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date	Name & Address of the Patentee	Short title of the Invention
1	2	3	4	5
1.	86925	13-3-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Polymerisation catalyst for polymerising of olefins.
2.	87104	25-3-1963	— do —	Polymers of butadiene or isoprene.
3.	97231	1-4-1963	— do —	Process for extracting low molecular weight fractions from propylene polymerisates.
4.	78316	5-4-1963	International Polaroid Corp., of 1, Exchange Place, Jersey City, New Jersey, U. S. A.	Light polarising materials
5.	87348	8-4-1963	General Foods Corp., of 250, North Street, White Plains, State of New York, U. S. A.	Flavours.
6.	87363	9-4-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Furnace carbon black.
7.	87487	17-4-1963	— do —	Block co-polymers.
8.	87537	20-4-1963	— do —	Co-polymers.
9.	87701	9-5-1962	Laporte Titanium Ltd., of Hanover House, 14, Hanover Square, London W. 1.	Fluidised bed reaction
10.	87788	6-5-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Rubbery polymers of 1,3-butadiene.
11.	87800	6-5-1963	The Fairfield Engg. Co., of Marion, Ohio, U. S. A.	Method of digesting waste material.
12.	88014	17-5-1963	Monsanto Chemical Co., of 800, North Lindbergh Boulevard, St. Louis, Missouri, U. S. A.	Dehydration catalyst.
13.	88050	21-5-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Metal carbonyl catalysts
14.	88247	3-6-1963	Pullman Inc., of 200, South Michigan Avenue, Chicago, State of Illinois, U. S. A.	Prediction of hydrogen carrying gas.
15.	88268	4-6-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Olefin disproportionation and dehydrogenation.
16.	88493	13-6-1963	Monsanto Company, of 800, North Lindbergh Boulevard, St. Louis-66, Missouri, U. S. A.	Rigid polyvinyl chloride compositions.
17.	88429	14-6-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Branched polymers.
18.	88477	18-6-1963	General Magnesite Handels Anstalt, Vaduz, Liechtenstein	Refractory bricks, blocks and masses of burnt magnesite.
19.	88585	24-5-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Polymerisation process and catalysts.
20.	88612	25-6-1963	F. Hoffmann-La Roche & Co., Aktiengesellschaft, of 124-184, Grenzacherstrasse, Basle, Switzerland.	Unsaturated diene compounds
21.	88613	25-6-1963	Teijin Ltd., of No. 53, 1-chome, Edobori, Nishi-ku, Osaka, Japan.	Polymer compositions.
22.	88713	1-7-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Process for polymerising diolefin and polymerisation catalysts therefor.
23.	88879	12-7-1963	— do —	Conjugated diene polymerising.
24.	88902	15-7-1963	Institut Francais Du Petrole Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil Malmaison, (Seine et Oise), France.	Process for the conversion of hydrocarbons

1	2	3	4	5
25.	89209	1-8-1962	Crubb Fire Security Ltd., Pyrene House, Sub-bury-on-Thames, Middlesex, London.	Treatment of metal surfaces
26.	89294	8-8-1963	Teijin Ltd., of No. 53, 1-chome, Edobori, Nishi-ku, Osaka, Japan.	Thermoplastic composition for shaping.
27.	89382	13-8-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Rubbery polymers and catalysts therefor.
28.	89383	13-8-1963	— do —	Polymerisation process.
29.	89384	13-8-1963	— do —	Butadiene polymerisation process and catalytic compositions therefor.
30.	89390	13-8-1963	Monsanto Co., of 800, North Lindbergh Boulevard, St Louis, Missouri, U. S. A.	Herbicidal composition containing alkenyl thiocarbonates.
31.	89613	26-8-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Lubricating oil additives.
32.	89619	27-8-1963	— do —	Polymers of isoprene and butadiene.
33.	89662	30-8-1963	— do —	Polybutadienes.
34.	89715	3-9-1963	Toyo Katsui Industries, of 10, 2-banchi, 4-chome, Nihonbashi, Hongokuchō, Chō-ku, Tokyo, Japan.	Vinyl chloride.
35.	89797	9-9-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Treatment of metal oxide hydrogels and process of polymerisation using same.
36.	89862	16-9-1963	American Cyanamid Co., of Berden Avenue, Township of Wayne, State of New Jersey, U. S. A.	Phenethyl imides and imide salts containing same.
37.	90199	8-10-1963	Institut Français Du Pétrole Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil-Malmaison, Seine et Oise, France.	Process for hydrogenation of light hydrocarbons on a catalyst with a metallic compound as base.
38.	90212	9-10-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Process for polymerising conjugated dienes.
39.	90213	9-10-1963	— do —	Process for polymerising 1,3-butadiene.
40.	90350	16-10-1963	— do —	Process of polymerising 1,3-butadiene to cis-1,4-polybutadienes.
41.	90394	5-11-1962	Laporte Titanium Ltd., of Hanover House, 14, Hanover Square, London W. 1, England.	Manufacture of an oxide of titanium, zirconium, iron, aluminium or silicon.
42.	90560	6-9-1963	Vereinigte Glanzstoff-Fabriken A. G., of 56, Wuppertal-Elberfeld, West Germany.	Apparatus for the polycondensation of polyamide forming compounds.
43.	90607	4-11-1963	Phillips Petroleum Co., of Bartlesville State of Oklahoma, U. S. A.	Polymerizing butadiene catalyst composition therefor.
44.	90717	7-11-1963	General Magnesite Handels-Anstalt, of Vaduz, Liechtenstein.	Refractory bricks.
45.	90756	11-11-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Recovery of organic polar compounds from polymerization processes.
46.	90857	18-11-1963	— do —	Butadiene polymerisation and catalyst therefor.
47.	90982	26-11-1963	F. Hoffmann-La Roche & Co., Aktiengesellschaft, of 124-184, Grenzacherstrasse, Basle, Switzerland.	Amine carboxylic acids.
48.	91165	5-12-1963	International Nickel Ltd., of Thames House, Millbank, London S. W. 1.	Alloy steel.
49.	91238	10-12-1963	Daiwa Bosai Kabushiki Kaisha, of No. 25-1-1, 4, chome, Minami, Kyutaro-machi, Higashi-ku, Osaka, Japan.	Regenerated cellulose fiber
50.	91250	10-12-1963	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Rubbery polymers.
51.	91269	11-12-1963	— do —	Process for Polymerizing of conjugated diene.
52.	91749	17-1-1964	Commercial Solvents Corp., 245, Park Avenue, New York, U. S. A.	Aqueous nitro-starch explosive slurries.
53.	92101	5-2-1964	Institut Français De Pétrole Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil-Malmaison (Seine et Oise), France.	Combined process for hydrocracking of hydrocarbons
54.	92312	17-2-1964	Chemical Construction Corp., of 320, Park Avenue, New York-22, U. S. A.	Melamine synthesis

1	2	3	4	5
55.	92418	24-2-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Conjugated diene polymers.
56.	92419	24-2-1964	— do —	Processability of conjugated dienes.
57.	92446	25-2-1964	— do —	Oil-in-water asphalt emulsions and an aggregate asphalt slurry composition comprising said asphalt emulsions.
58.	92471	26-2-1964	Institut Francais Du Petrole Des Carburants Et Lubrifiants, of 184, Avenue de Bois Preau, Rueil-Malmaison, Seine-et Oise, France.	Terephthalic acid.
59.	92802	16-3-1964	General Magnesite Handels Anstalt, of Veduz, Liechtenstein.	Refractory bricks.
60.	92803	16-3-1964	— do —	Process of and refractory mixtures for producing magnesia chrome refractory bricks.
61.	92845	18-3-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Process for polymerizing 3-butadiene.
62.	92859	19-3-1964	Toyo Katsui Industries Inc., of 10, 2-banchi, 4-chome, Nihonbashi, Hongokuchō, Chō-ku, Tokyo, Japan.	Composition for suppressing the nitrification of ammonium nitrogen in soil.
63.	92951	24-3-1964	Wenger Manufacturing Inc., Sabetha, County of Nemaha, Kansas, U. S. A.	Processing food products.
64.	93092	2-4-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Partial oxidation of carbon black.
65.	93230	9-4-1964	Toyo Sew-I Kabushiki Kaisha, of No. 18, 2-chome, Marunouchi, Chiyoda-ku, Tokyo, Japan.	Degummed bast fibers.
66.	93304	15-4-1964	Institut Francais Du Petrole, Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil Malmaison (Seine et Oise), France.	Process for conversion of residual Petroleum oil into a gas oil.
67.	93331	25-8-1962	Monsanto Co., of 800, North Lindbergh Boulevard, St. Louis Missouri, U. S. A.	Herbicidal compositions.
68.	93336	31-10-1961	General Magnesite Handels Anstalt, Vaduz, Liechtenstein.	Refractory bricks containing calcined magnesia.
69.	93357	18-4-1964	Monsanto Co., of 800, North Lindbergh Boulevard, St Louis, Missouri, U. S. A.	Diene rubbers.
70.	93401	21-4-1964	F. Hoffmann-La Roche & Co., Aktiengesellschaft, of 124-184, Greifzacherstrasse, Basle, Switzerland.	4-alkyl-5-cyano oxazoles.
71.	93688	11-5-1964	American Cyanamid Co., of the Township of Wayne, State of New Jersey, U. S. A.	O, O', O', O'-tetramethyl O'-thiodi-p-phenylene phosphorothioate and its use as a pesticide.
72.	93731	12-5-1964	Mitsui Kagaku Kogyo Kabushiki Kaisha, of 1-1, 2-chome, Nihonbashi, Muromachi, Chō-ku, Tokyo, Japan.	Herbicidal compositions.
73.	93832	28-8-1962	Monsanto Company, of 800, North Lindbergh Boulevard, St. Louis-66, Missouri, U. S. A.	Inorganic phosphate composition useful in the preparation of heat dried detergents.
74.	93840	19-5-1964	Institut Francais Du Petrole Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil Malmaisons (Seine et Oise), France.	Process for the conversion of a residual petroleum oil into gas oil.
75.	93957	27-5-1964	Monsanto Co., of 800, North Lindbergh Boulevard, St. Louis, Missouri, U. S. A.	Mineral reinforced polymeric compositions.
76.	94051	10-6-1963	Laporte Titanium Ltd., of Hanover House, 14, Hanover Square, London, W. 1, England.	Oxides.
77.	94350	21-6-1963	Dr. Gunter Wunderlich & another, Battrop, Sterkraderstr-379 West Germany	Process and device for the decomposition of ammonia obtained in coke oven batteries.
78.	94612	8-7-1964	Institut Francais Du Petrole Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil-Malmaisons, (Seine et Oise) France.	Process for the culture of algae in a synthetic medium.
79.	94781	20-7-1964	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Melt blending of particle form and solution produced polyolefines

1	2	3	4	5
80.	94997	1- 8-1964	Dainippon Pharmaceutical Co., Ltd., of No 25 3-chome. Doshomachi, Higashi-ku, Osaka, Japan.	Process for obtaining tamarind seed jellose.
81.	95440	31- 8-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Disproportionation of aliphatic monoolefine.
82.	95693	18- 9-1963	Laporte Chemicals Ltd., Kingsway, Luton, Bedfordshire, England.	Hydrogen peroxide.
83.	95927	5-10-1964	Intermountain Research & Engg. Co., Inc., of 1635, Pioneer Rd., Salt Lake City, State of Utah, U. S. A.	System for mixing and pumping slurry explosive.
84.	96120	30-10-1963	Laporte Chemicals Ltd., of Kingsway, Luton, Bedfordshire England	Hydrogen peroxide.
85.	96361	2-11-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Conjugated diene polymers.
86.	96464	10-11-1964	— do —	Concentration of solutions by crystallization.
87.	96535	13-11-1964	Nihon Hikaku Kabushiki-Kaisha, of No. 1, 1-chome Senju Midoricho- Adachi-ku, Tokyo, Japan.	Sulubilization of collagen fibres with portolytic enzymes.
88.	96652	23-11-1964	Institut Francais Du Petrole, Des Carburants Et Lubrifiants, of 1 et 4, Avenue de Bois Preau, Rueil-Malmaisons, (Seine et Oise), France.	Catalytic hydrogenation of aromatic hydrocarbons.
89.	99665	22- 5-1965	Monsanto Co., 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	Treated paper.
90.	96655	23-11-1964	— do —	Monomeric aromatic azoalkine compound and herbicidal composition containing same.
91.	96757	30-11-1964	— do —	Polymerizing lactams
92.	96816	2-12-1964	— do —	Herbicidal compositions containing L-halo acetanilides.
93.	96937	9-12-1964	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Elastomers.
94.	97051	15-12-1964	Chemische Fabrik p fersce G.m.b.H., Farberstrasse, 4, Augsburg-89, West Germany.	Treatment of textiles.
95.	97109	19-12-1964	Monsanto Co., 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	Ammonium nitrate particles in disk form and compositions containing the same
96.	97297	4- 1-1965	Toyo Koastu Industries Inc., 10, 2-bachni, 4-chome, Nihon-bashi, Hongojucho-Chou-ku, Tokyo, Japan.)	Vinyl chloride.
97.	97299	4- 1-1965	Edward Kusters Maschinefabrik, Gladbacher Street, 457, Krefeld, West Germany.	Process and apparatus for removing water from felt, paste, board, paper, cellulose and like webs of materials
98.	97613	29- 1-1964	Laporte Titanium Ltd., Hanover House, 14, Hanover Square, London W. 1, England.	Treatment of gaseous suspension
99.	97635	27- 1-1975	Monsanto Co., 800, North Lindbergh Boulevard, St Louis, Missouri, U. S. A.	Reinforced polymeric compositions.
100.	97654	27 -1-1965	The Standars Oil Co., Midland Bldg., Cleveland-15, State of Ohio, U. S. A.	Plastic compositions.
101.	97724	2- 2-1965	Monsanto Co. 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	Modified starch compositions and paper web coated therewith
102.	97824	9- 2-1965	F. Hoffmann-La Roche & Co., 124-184, Grenzacherstrasse, Basle, Switzerland.	Extraction column.
103.	98196	1- 3-1965	The Sanitas Company Ltd., 140, Tottenham Court Road, London W. 1., England.	Sewage treatment systems
104.	98240	2- 3-1965	Monsanto Co., 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	Herbicidal N,N-diacylanilide and compositions containing the same
105.	98241	2- 3-1965	— do —	Herbicidal N-formyl- $\alpha$ -haloacetanilides.
106.	98261	3- 3-1965	N. V. Onderzoekingsinstituut Research, Velperweg-76, Arnhem The Netherlands.	Polyesters and fibers or threads prepared from such polyesters

1	2	3	4	5
107.	98466	16- 3-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Polymerising butadiene and a catalyst therefor
108.	98567	22- 3-1965	Plastics Kogyo Company Ltd., and others, No. 1366, 3-chome, Kamiaoki-cho, Kawaguchi city, Saitama, Pref. Japan	Synthetic resin tubes
109.	98671	26- 3-1965	Monsanto Co., 800, North Lindbergh Boulevard, St. Louis, Missouri-63166, U. S. A.	N-halo- $\alpha$ -haloacetanilides and halobenzene compositions containing them
110.	98737	30- 3-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Blends of polypropylene and a block copolymer
111.	98738	30 -3-1965	— do —	Carbon black
112.	98824	5- 4-1965	— do —	Polymerization of butadiene.
113.	99053	19- 4-1965	Intermountain Research & Engg. Co., Salt Lake City, Utah, U. S. A.	Blending compositions
114.	99426	10 -5-1965	General Refractories Co., 1520, Locust St., Philadelphia Commonwealth of Pennsylvania, U. S. A.	Black refractory brick having an oxidizable metallic plate in combination
115.	99573	18- 5-1965	Toyo Katsui Industries Inc., 10, 2-banchu, 4-chome, Nohon-bashi, Hongokucho, Chou-ku, Tokyo, Japan.	Urea
116.	99597	19- 5-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Polymerising olefines and catalyst therefor
117.	99713	25- 5-1964	Karl Friedrich Still, 53, Hanzenzollstrasse, Recklinghausen Westfalen, West Germany.	Decomposition of ammonia
118.	99869	3- 6-1964	Laporte Titanium Ltd., Hanover House, 14, Hanover Square, London W. 1., England.	Titanium dioxide
119.	100039	14- 6-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Elastomeric blend
120.	100268	22- 7-1964	Laporte Titanium Ltd., Hanover House, 14, Hanover Square, London W. 1. England.	Treatment of pigment
121.	100303	28- 6-1965	Monsanto Co., 800, North Lindbergh Boulevard, St., Louis, Missouri-63166 U. S. A.	Free-flowing acid composition
122.	100304	28- 6-1965	— do —	Free-flowing cold water soluble acid compositions
123.	100718	21- 7-1964	Occidental Research & Engg. Ltd., 18, Austin Friars, London E. C. 2, England.	Phosphoric acid
124.	100805	27- 7-1965	Chemical Construction Corp., 320, Park Avenue, New York, 22, U. S. A.	Steamreforming of hydrocarbons
125.	100935	3- 8-1965	Intermountain Research & Engg. Co., 870, West 26th St., South Salt Lake City, Utah, U. S. A.	Explosive composition
126.	101035	9- 8-1965	American Potash & Chemical Corp., 3300, West Sixth St., Los angeles, California-90054, U. S. A.	Treatment of gaseous suspensions
127.	101237	23- 8-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Polymer from C <sub>3</sub> to C <sub>5</sub> hydrocarbon fractions
128.	101238	23- 8-1965	— do —	Hydrocarbon conversion
129.	101377	1-10-1964	Veb Filmfabrik. Wolfen, Wolfen. Kreis Bitterfeld East Germany.	Acyl-bis-acetic anilides and multiply material containing the same for production of yellow photographic images.
130.	101489	7- 9-1965	F. Hoffmann-La Roche & Co., Aktiengesellschaft, 124 184, Grenzacherstrasse Basle, Switzerland.	Triolein compounds
131.	101490	7- 9-1965	do —	Indan compound.
132.	101541	13- 9-1965	H. Hoffmann-La Roche & Co., Aktiengesellschaft 124-184 Grenzacherstrasse, Basle, Switzerland.	Indan compounds.
133.	101542	13- 9-1965	—do —	Composition for controlling weeds.
134.	101543	13- 9-1965	— do —	Composition for controlling weeds.
135.	101685	23- 9-1965	Pullman Incorporated, 200, South Michigan Avenue Chicago, State of Illinois, U. S. A.	Halogens.
136.	101756	27- 9-1965	Institut Francais Du Petrole, Des Carburants Et Lubrifiants, 1 et 4, Avenue de Bois Preau, Rueil Malmansions, (Seine et Oise), France.	Device for carrying out underwater explosions.
137.	101823	30- 9-1965	Monsanto Co., 800, North Lindbergh Boulevard, St. Louis, 66, Missouri, U. S. A.	Coating composition containing cross linkable polyamides dissolved in phenolic solvents.
138.	102162	20-10-1965	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	High impact polymer compositions.



## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of Right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention.
122577 (1- 8-69)	Novel dyestuffs, process for their manufacture, and synthetic fibres dyed and printed therewith and novel intermediates and process for preparing them.
124037 (14-11-69)	Method and apparatus for separating liquids from solids.
124321 (5-12-69)	Regeneration of deactivated catalyst containing a platinum group component and a sulfur component for use in a hydrocarbon conversion process.
124330 (5-12-69)	Water-insoluble monoazo dyes and process for their manufacture.
124407 (12-12-69)	N-acylderivatives of 5-amino-1, 3, 4-thiadiazoles process for their manufacture and herbicidal composition containing the same.
126495 (4- 5-70)	Process for treatment of deacidifier vapours of industrial gases, particularly coke-oven gases.
127265 (25- 6-70)	Process and equipment for the continuous decomposition of aluminate liquors in precipitator tanks connected in series.

## RENEWAL FEES PAID

69605 69606 69721 69723 69813 69866 69970 70031 70161  
 70209 70729 71205 73330 73878 74271 74331 74400 74458  
 74594 75028 75086 75364 75933 76856 78481 79149 79335  
 79382 79470 79471 79541 79561 79652 79787 79800 79802  
 79817 79832 79873 79890 79968 79969 79978 80046 80421  
 80975 84644 84670 85009 85033 85034 85182 85216 85295  
 85337 85428 85467 85500 85595 85624 85652 85701 85758  
 85877 87791 90442 90595 90597 90717 90733 90754 90755  
 90818 90821 90844 90858 90861 90862 90863 90877 90878  
 90889 90890 91056 91104 91121 91229 91238 91262 91346  
 91385 91413 91414 91418 91490 91507 91525 91616 91691  
 91693 91890 91891 92173 92221 93053 93904 96225 96226  
 96364 96395 96425 96453 96477 96562 96563 96605 96609  
 96655 96656 96657 96666 96675 96757 96780 96781 96811  
 96813 96840 96855 96856 96913 96945 96947 96976 97021  
 97022 97078 97127 97203 97239 97387 97476 97585 97587  
 97593 97828 97829 97996 98135 98355 98444 98491 98567  
 99601 100014 101815 102303 102336 102337 102428 102464  
 102489 102534 102707 102712 102729 102751 102818 102819  
 102860 102882 102885 102898 102899 102936 102994 103032  
 103084 103141 103687 103688 103698 104177 104789 107028  
 107290 107323 107324 107415 107760 107768 107801 107863  
 107876 107960 107966 107986 108032 108033 108042 108065  
 108070 108077 108122 108123 108124 108125 108137 108147  
 108149 108236 108239 108262 108302 108356 108424 108446  
 108447 108450 108507 108524 108534 108566 108625 108651  
 108862 108974 109153 109338 109620 110280 111835 113036  
 113057 113073 113116 113132 113142 113176 113209 113286  
 113369 113411 113449 113492 113541 113626 113664 113665  
 113671 113699 113705 113739 113747 113766 113767 113768  
 113786 113805 113826 113851 114055 114077 114225 114267  
 114525 116056 117195 117612 118196 118323 118338 118476  
 118493 118557 118558 118574 118604 118619 118632 118684  
 118701 118716 118724 118740 118742 118746 118773 118813  
 118870 118822 118830 118847 118867 118932 118955 119002  
 119003 119008 119021 119022 119028 119031 119033 119071  
 119072 119075 119105 119106 119126 119178 119207 119317

119345 119540 120124 120492 121692 122371 122580 122728  
 123204 123205 123491 123672 123884 123907 123920 123985  
 124002 124006 124032 124055 124061 124082 124090 124120  
 124128 124188 124205 124228 124252 124269 124270 124316  
 124326 124349 124421 124443 124456 124470 124473 124494  
 124495 124506 124517 124536 124540 124584 124587 124899  
 124900 125000 125075 125078 125092 125242 125261 125353  
 125641 126954 127107 127252 127378 127438 127654 127710  
 128349 128625 128728 128794 128796 128797 128820 128878  
 128908 128976 129038 129063 129065 129074 129087 129114  
 129120 129145 129149 129184 129188 129212 129214 129231  
 129239 129275 129282 129307 129324 129331 129334 129424  
 129426 129428 129492 129518 129543 129557 129562 129599  
 129600 129611 129620 129624 129649 129652 129657 129702  
 129708 129709 129712 129720 129725 129757 129842 129843  
 129964 129991 130011 130072 130088 130109 130142 130232  
 130313 130528 130548 131085 131502 131589 131607 131637  
 131927 132104 132112 132330 132376 132405 132445 132689  
 132844 132880 132917 132936 133054 133208 133232 133278  
 133421 133453 133454 133477 133551 133576 133623 133625  
 133630 133650 133658 133686 133720 133727 133740 133829  
 133928 133939 133981 133997 134022 134027 134028 134031  
 134051 134103 134269 135400 135479.

## CESSATION OF PATENTS

116603 124690 125204 125322 125627 125629 125649 125658  
 125661 125676 125696 125697 125710 125711 125728 125734  
 125744 125751 125758 125761 125763 125770 125788 125791  
 125795 125799 125802 125809 125819 125829 125831 125854  
 125873 125876 125878 125879 125880 125881 125900 125901  
 125903 125909 125910 125927 125946 125952 125955 125957  
 125960 125969 125989 125996 126000 126003 126014 126017  
 126033 126057 126079 126080 126083 126092 126093 126094  
 126097 126100 126101 126148 126149 126155 126188 126190  
 126196 126199 126209 126214 126217 126227 126232 126239  
 126243 126244 126258 126263 126271 126273 126300 126304  
 126305 126310 126324 126331 126332 126333 126336 126338  
 126344 126345 126352 126386 126682.

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under section 60 of the Patents Act, 1970 for the restoration of Patent No. 79220 granted to The Firestone Tire & Rubber Company for an invention relating to "tire and method of manufacturing same". The Patent ceased on the 6th November, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 16th March, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 82215 granted to Gajjar Watch Company for an invention relating to "improvements in or relating to duplicating machine". The Patent ceased on the 14th May, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30th November, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under section 60 of the Patents Act, 1970 for the restoration of Patent No. 98146 granted to Council of Scientific and Industrial Research for an invention relating to "development of a process for the manufacture of food beverages." The Patent ceased on the 27th February, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 29th June, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 102657 granted to The Firestone Tire & Rubber Company for an invention relating to "apparatus for applying elastomeric material to a vehicle tire carcass." The Patent ceased on the 24th November, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 27th July, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under section 60 of the Patents Act, 1970 for the restoration of Patent No. 113169 granted to The Firestone Tire & Rubber Company for an invention relating to "non-flow polybutadiene and method of producing the same". The Patent ceased on the 14th November, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 12th October, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 123802 granted to The Firestone Tire & Rubber Company for an invention relating to "polymerizable composition and process for preparing a hard fast curing resin therefrom." The Patent ceased on the 6th November, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 16th March, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 125017 granted to Kulasekaraperumal Mahadevan Pillai for an invention relating to "a chemical composition for the treatment of brown bast of Hevea". The Patent ceased on the 27th January, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd August, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 125113 granted to Raj Prakash, trading as Cine Plastics for an invention relating to "a method of producing a printed film and a printed film so produced." The Patent ceased on the 3rd February 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 30th November, 1974.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th February 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application for restoration of Patent No. 113308 dated the 23rd December 1966 made by B P Chemicals (U.K.) Limited, subsequently altered to B P Chemicals International Limited and notified in the Gazette of India, Part III, Section 2 dated the 17th August 1974 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 141896. Anand Kumar Sood, B-181 D.D.A. Colony, Naraina, New Delhi-28, (Indian) Bag stitching device. May 22, 1974.

Class 1. No. 141897. Anand Kumar Sood. B-181, D.D.A. Colony, Naraina, New Delhi-28, (Indian), Heavy bag stitching device. May 22, 1974.

Class 1. No. 141900. Mehboob Singh, 18-B/2, Original Road, New Delhi-5. An Indian National. Electrical wire cutter & scrapper, May 24, 1974.

Class 1. No. 141940. R. C. Puri & Sons, 64C, Saharu Castle, Mohamed Ali Road, Monbay 3, Maharashtra, India, an Indian Partnership Concern, Syphons, June 14, 1974.

Class 1. No. 141954. Rex Auto Products, 3060-Bahadurgarh Road, Delhi. (An Indian Partnership Concern). Mirror. June 24, 1974.

Class 1. No. 141956. Kamalnayan Kedarnath Gupta, 20, Wadi Bunder Road, Mazgaon, Bombay-10, Maharashtra, India, Indian National. A Container. June 24, 1974.

Class 3. No. 141828. Kalpana Industries. 405, Byculla Industrial Estate, Sussex Road, Near Victoria Gardens, Bombay-400027 Maharashtra, India. An Indian Partnership Firm. Candle Stand. April 16, 1974.

Class 3. No. 141911. Tobu Enterprises Pvt. Ltd., 8/29 Industrial Area, Kirti Nagar, New Delhi-15. (India). An Indian Company. A baby toilet seat. May 30, 1974.

Class 3. No. 141912. Tobu Enterprises Pvt. Ltd., 8/29, Industrial Area, Kirti Nagar, New Delhi-15. (India). An Indian Company. Pilfer Proof Cap. May 30, 1974.

Class 3. No. 141937. Weston Electronics Private Ltd. 244, Okhla Industrial Estate, New Delhi-110020, (An Indian Company). A cassette Player, June 11, 1974.

Class 3. No. 141941. Societe Franco-Hispano-Americaine (Francispam), 17—19, Rue Robert Joubert, 95210 Saint-Gratien, France, A French Company. Lighter. June 17, 1974.

## COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 122926, 136563, 136564, 136565, 136566, 136567, 136568, 136823, 136834, 136835, 136836, 136841

.....Class 3.

Design Nos. 136824, 136837, 136838, 136889, 136840 ..... Class 10.

## COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 122926, 124122 ..... Class 3.

## CANCELLATION OF THE REGISTRATION OF DESIGNS (SECTION 51A)

The application made by Deepak Metal Industries for cancellation of the registration of Design No. 139394 registered in the name of Ever Bright Metal Works and notified in the Gazette of India, Part III, Section 2 dated the 19th August 1972 has been allowed and the registration of the said design has been cancelled.

S. VEDARAMAN  
Controller-General of Patents, Designs and  
Trade Marks.

